

Inventor(s): John C. Harvey
James W. Cuddihy
Serial No.: 08/056,501
Filing Date: May 3, 1993

Group Art Unit: 2202

Examiner: Unassigned

Hon. Commissioner of Patents and Trademarks

SIR:

Please place the Patent Office receipt stamp hereon and mail to acknowledge receipt of the following:

1. Information Disclosure Statement
PTO Form 1449
- 2.
3. Three references (photocopies)
EPO-0055674
JP-56-47179
U.S. Patent No. 4,245,245

Docket No. 5634/7



I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231 on June 22, 1993.

Signature: Thomas J. Scott

Thomas J. Scott, Jr. (Reg. No. 27,836)

Date: June 22, 1993

PATENT

Docket No. 5634/7

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): John C. Harvey
James W. Cuddihy

Serial No.: 08/056,501

Filing Date: May 3, 1993

For: Signal Processing Apparatus and Methods

Group Art Unit: 2202

Examiner: Unassigned

Commissioner of Patents and Trademarks
Washington D.C. 20231

INFORMATION DISCLOSURE STATEMENT

SIR:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56(a) and in conformance with the procedures of 37 C.F.R. §§ 1.97-98 and M.P.E.P. § 609, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449.

The above-referenced application claims priority under 35 U.S.C. § 120 of the following applications:

<u>Serial No.</u>	<u>Filing Date</u>
849,226	March 10, 1992
588,126	September 25, 1990
096,096	September 11, 1987
829,531	February 14, 1986
317,510	November 3, 1981

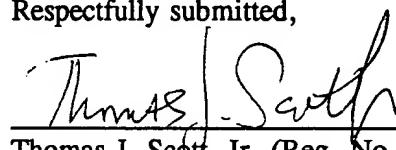
Therefore, no copies of those listed references that were cited by or submitted to the PTO in the priority applications are provided herewith. A copy of each of the references not of record in the priority applications is provided herewith.

It is respectfully requested that the information above be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

CERTIFICATION AND/OR FEE

Since this IDS is being filed pursuant to 37 C.F.R. § 1.97(b) before the later of three months after the filing date of the above-referenced application or the date of receipt of the first Office Action on the merits, no certification or fee is required.

Respectfully submitted,



Thomas J. Scott, Jr. (Reg. No. 27,836)

Dated: June 22, 1993

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Attorney Docket No. 5634/7	Serial No. 08/056,501
	Applicant(s) John C. Harvey, James W. Cuddihy	
	Filing Date May 3, 1993	

U. S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS/ SUBCLASS	FILING DATE*
	3,684,823**	Aug. 15, 1972	McVoy	178/5.1	
	3,798,610**	Mar. 19, 1974	Bliss et al.	340/172.5	
	3,833,757**	Sept. 3, 1974	Kirk, Jr. et al.	178/5.6	
	3,842,196**	Oct. 15, 1974	Loughlin	358/12	
	3,845,391**	Oct. 29, 1974	Crosby	325/64	
	3,891,792**	June 24, 1975	Kimura	178/5.8R	
	3,975,583**	Aug. 17, 1976	Meadows	178/5.6	
	3,987,398**	Oct. 19, 1976	Fung	325/309	
	4,025,851**	May 24, 1977	Hazelwood et al.	325/31	
	4,138,726**	Feb. 6, 1979	Girault et al.	364/521	
	4,163,254**	July 31, 1979	Block et al.	358/122	
	4,225,884**	Sept. 30, 1980	Block et al.	358/122	
	4,230,990**	Oct. 28, 1980	Lert, Jr. et al.	455/67	
	4,245,245	Jan. 13, 1981	Matsumoto et al.	358/122	
	4,247,106**	Jan. 27, 1981	Jeffers et al.	273/85 G	
	4,264,925**	Apr. 28, 1981	Freeman et al.	358/86	
	4,310,854**	Jan. 12, 1982	Baer	358/143	Aug. 29, 1979
	4,312,016**	Jan. 19, 1982	Glaab et al.	358/188	Feb. 2, 1979
	4,323,922**	Apr. 6, 1982	den Toonder et al.	358/117	Dec. 17, 1979
	4,334,242**	June 8, 1982	Mangold	358/127	Jan. 14, 1980
	4,337,480**	June 29, 1982	Bourassin et al.	358/93	Feb. 8, 1980
	4,365,110**	Dec. 21, 1982	Lee et al.	178/22.10	June 5, 1979
	4,381,522**	Apr. 26, 1983	Lambert	358/86	Dec. 1, 1980
	4,398,216**	Aug. 9, 1983	Field et al.	358/121	Sept. 19, 1980
	4,404,589**	Sept. 13, 1983	Wright, Jr.	358/86	Oct. 21, 1980
	4,425,581**	Jan. 10, 1984	Schwepp et al.	358/148	Apr. 17, 1981
	4,488,179**	Dec. 11, 1984	Kruger et al.	358/181	Sept. 23, 1981
	Re. 31,735**	Nov. 13, 1984	Davidson	358/124	

** Indicates copy filed in prior application.

* - If pertinent

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	Applicant(s) John C. Harvey, James W. Cuddihy	
	Filing Date May 3, 1993	Group 2202

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION	
					YES	NO
	0 055 674	July 7, 1982	EPO		N/A	
	56-47179	Apr. 28, 1981	Japan		X	

OTHER DOCUMENTS

EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	